

17

11

SWARTHMORE COLLEGE,

1876-77.

TO THE STOCKHOLDERS.

THE ANNUAL MEETING OF THE STOCKHOLDERS is held in Race Street Meeting House, Philadelphia, on the first Third-day in Twelfth month, at three o'clock, P. M. Public notice of this meeting is given in one or more newspapers published, respectively, in Philadelphia, New York, and Baltimore.

It is desirable that Stockholders should be furnished with the Catalogues, and all other publications issued by the authority of the College, as well as notices of the annual meetings. This has heretofore been but imperfectly done, as the list of addresses has never been complete.

During the past year, considerable labor and care have been given to the preparation of a new list, and it is believed that the present Catalogue will therefore reach nearly all the Stockholders.

In order that a correct record may be kept, Stockholders are requested to forward to the undersigned, information of any failure to receive this Catalogue, as well as notice of removal, or change in their P. O. address hereafter.

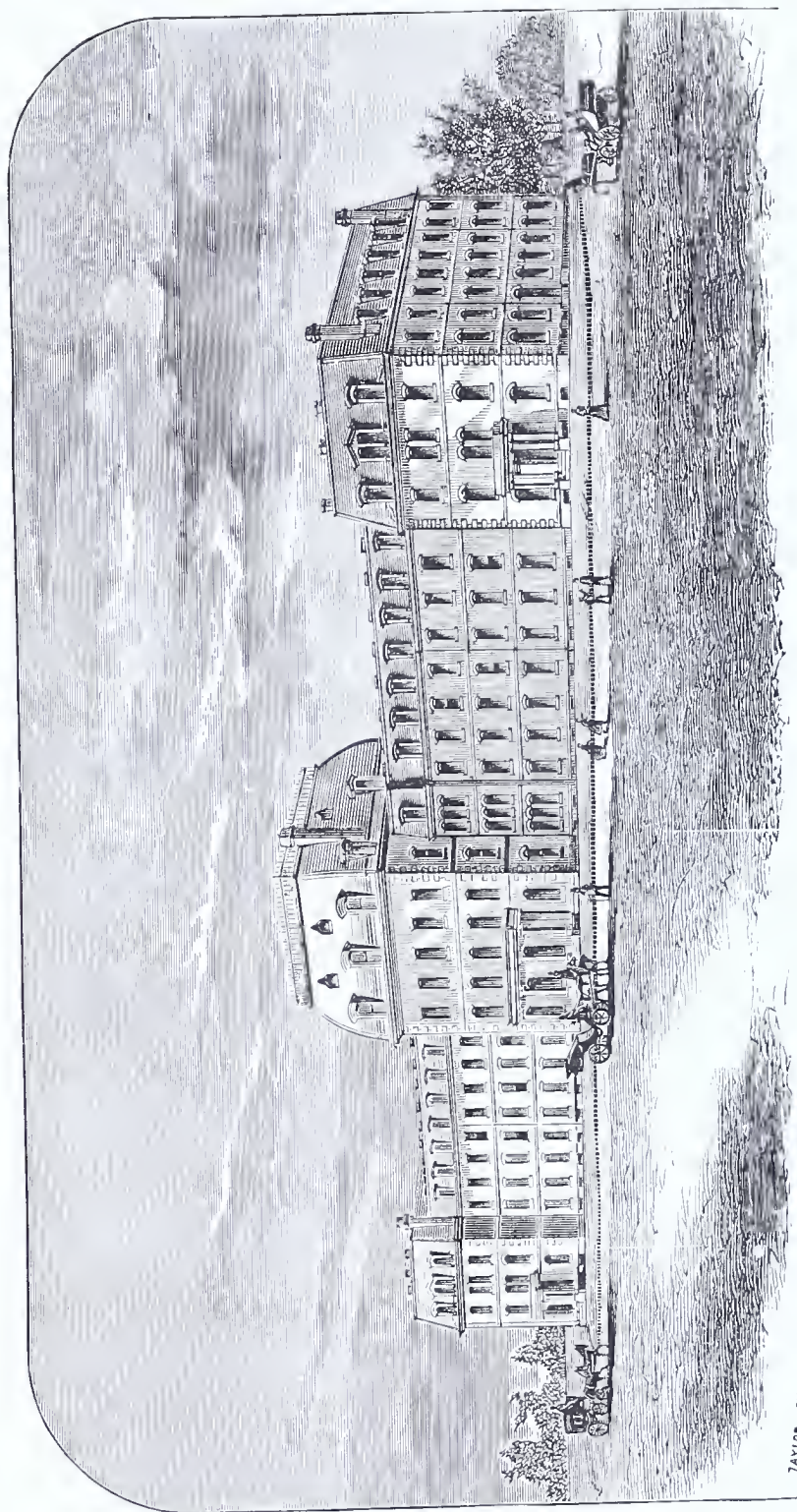
ISAAC H. CLOTHIER,

Clerk of Stockholders' Meeting,

801 MARKET STREET, PHILAD'A.

Digitized by the Internet Archive
in 2018 with funding from

This project is made possible by a grant from the Institute of Museum and Library Services as administered by the Pennsylvania Department of Education through the Office of Commonwealth Libraries



JAYLOR - SMITH

SWARTHMORE COLLEGE, DELAWARE COUNTY, PA.

[FRONT VIEW.]



SWARTHMORE COLLEGE, DELAWARE COUNTY, PA.

[REAR VIEW.]

TAYLOR - SMITH

EIGHTH
ANNUAL CATALOGUE
OF
SWARTHMORE COLLEGE,
SWARTHMORE, PA.
1876-77.
WITH MINUTES OF THE
THIRTEENTH ANNUAL MEETING
OF THE
STOCKHOLDERS.

PHILADELPHIA:
FRIENDS' BOOK ASSOCIATION, 706 ARCH STREET,
1876.

CALENDAR.

1876-77.

1876.	Sixth month 20th,	Third-day,	COMMENCEMENT.
"	Sixth month 21st,	Fourth-day,	Summer Vacation begins.
"	Ninth month 12th,	Third-day,	Meeting of the Board of Managers.
"	Ninth month 12th,	Third-day,	Examinations for admission begin.
"	Ninth month 14th,	Fifth-day,	Examinations for admission completed, and old students return.
"	Ninth month 15th,	Sixth-day,	Regular Exercises begin.
"	Twelfth month 4th,	Second-day,	Meeting of the Board of Managers.
"	Twelfth month 5th,	Third-day,	ANNUAL MEETING OF STOCKHOLDERS.
"	Twelfth month 5th,	Third-day,	Meeting of the Board of Managers.
"	Twelfth month 22d,	Sixth-day,	Holidays begin.
1877.	First month 2d,	Third-day,	Students return.
"	First month 3d,	Fourth-day,	Regular Exercises begin.
"	Second month 13th,	Third-day,	Meeting of the Board of Managers.
"	Fifth month 7th,	Second-day,	Senior Examinations begin.
"	Fifth month 15th,	Third-day,	Senior Examinations completed, the re- sult announced, and parts for Com- mencement assigned.
"	Sixth month 11th,	Second-day,	Annual Examinations begin.
"	Sixth month 18th,	Second-day,	Annual Examinations completed, and the result announced.
"	Sixth month 18th,	Second day,	Meeting of the Board of Managers.
"	Sixth month 19th,	Third-day,	COMMENCEMENT.
"	Sixth month 20th,	Fourth-day,	Summer Vacation begins.
"	Ninth month 11th,	Third-day,	Meeting of the Board of Managers.
"	Ninth month 11th,	Third-day,	Examinations for admission begin.
"	Ninth month 13th,	Fifth-day,	Examinations for admission completed and old students return.
"	Ninth month 14th,	Sixth-day,	Regular Exercises begin.
"	Twelfth month 3d,	Second-day,	Meeting of the Board of Managers.
"	Twelfth month 4th,	Third-day,	ANNUAL MEETING OF STOCKHOLDERS.
"	Twelfth month 4th,	Third-day,	Meeting of the Board of Managers.
"	Twelfth month 22nd,	Seventh-day,	Holidays begin.
1878.	First month 2d,	Fourth-day,	Students return.
"	First month 3d,	Fifth-day,	Regular Exercises begin.

CORPORATION.

Officers.

CLERKS.

ISAAC H. CLOTHIER,

SARAH F. CORLIES.

BOARD OF MANAGERS.

SAMUEL WILLETS,
CLEMENT M. BIDDLE,

HUGH McILVAIN,
DANIEL UNDERHILL,

ISAAC STEPHENS,
JAMES V. WATSON,

CLEMENT BIDDLE,
EDWARD TAYLOR,

JOHN D. HICKS,

ROBERT WILLETS,

JOSEPH WHARTON,

M. FISHER LONGSTRETH,

ELLWOOD BURDSALL,

B. RUSH ROBERTS,

JOSEPH WILLETS,

ELI M. LAMB,

ISAAC H. CLOTHIER, *Ex-officio*.

JANE P. DOWNING,
MARGARET G. CORLIES,

LOUISA M. STABLER,
MARY C. BLACKBURN,

MARTHA G. McILVAIN,
ANNIE COOPER,

SARAH H. BAKER,
ELIZA H. BELL,

HANNAH W. HAYDOCK,

ANNA M. FERRIS,

MARY T. LONGSTRETH,

ANNIE SHOEMAKER,

RACHEL T. JACKSON,

ANNA M. HUNT,

CAROLINE UNDERHILL,

ELIZABETH S. WORTH,

SARAH F. CORLIES, *Ex-officio*.

TREASURER.

ROBERT BIDDLE.

Officers and Committees of the Board.

PRESIDENT.

SAMUEL WILLETS.

SECRETARY.

M. FISHER LONGSTRETH.

AUDITORS.

EDWARD TAYLOR,

JAMES V. WATSON.

INSTRUCTION.

CLEMENT BIDDLE,

JOSEPH WHARTON,

JOHN D. HICKS,

HANNAH W. HAYDOCK,

ANNA M. FERRIS,

ANNIE COOPER,

M. FISHER LONGSTRETH.

MUSEUM AND PHYSICAL LABORATORY.

EDWARD TAYLOR,

ANNA M. HUNT,

JOSEPH WHARTON.

MARY T. LONGSTRETH.

FRIENDS' HISTORICAL LIBRARY.

RACHEL T. JACKSON,

ISAAC STEPHENS,

ANNA M. FERRIS,

ELI M. LAMB.

FINANCE.

HUGH McILVAIN,

M. FISHER LONGSTRETH,

JAMES V. WATSON.

BUILDING AND PROPERTY.

HUGH McILVAIN,

ELLWOOD BURDSALL,

CLEMENT M. BIDDLE.

TRUSTS, ENDOWMENTS AND SCHOLARSHIPS.

SAMUEL WILLETS,	HUGH McILVAIN,
JOSEPH WHARTON,	DANIEL UNDERHILL,
	CLEMENT M. BIDDLE.

EXECUTIVE COMMITTEE.

CLEMENT BIDDLE,	CAROLINE UNDERHILL,
DANIEL UNDERHILL,	RACHEL T. JACKSON,
JOHN D. HICKS,	MARTHA G. McILVAIN,
CLEMENT M. BIDDLE,	JANE P. DOWNING,
ISAAC H. CLOTHIER,	HANNAH W. HAYDOCK,
EDWARD TAYLOR,	ANNIE COOPER,
JOSEPH WHARTON,	ANNA M. FERRIS,
JAMES V. WATSON,	MARY T. LONGSTRETH,
	M. FISHER LONGSTRETH, <i>Ex-officio</i> .

Officers of Government and Instruction.

FACULTY OF GOVERNMENT.

EDWARD H. MAGILL, A.M.,
PRESIDENT.

PHEBE W. FOULKE,
MATRON.

EUGÈNE PAULIN, A.M.,
PROFESSOR OF THE LATIN AND FRENCH LANGUAGES.

MARIA L. SANFORD,
PROFESSOR OF HISTORY.

ARTHUR BEARDSLEY, C.E.,
PROFESSOR OF MECHANICS AND ENGINEERING.

WILLIAM HYDE APPLETON, A.M. LL.B.,
PROFESSOR OF THE GREEK AND GERMAN LANGUAGES.

SUSAN J. CUNNINGHAM,
PROFESSOR OF MATHEMATICS,

THOMAS S. FOULKE,
SUPERINTENDENT.

NON-RESIDENT PROFESSORS.

JOSEPH LEIDY, M.D. LL.D.,

PROFESSOR OF NATURAL HISTORY.

JOSEPH THOMAS, M.D. LL.D.,

PROFESSOR OF ENGLISH LITERATURE.

INSTRUCTORS.

*SAMUEL S. GREEN, M.S.,

ASSISTANT PROFESSOR OF PHYSICS.

ELIAS H. BARTLEY, B.S.,

ASSISTANT PROFESSOR OF CHEMISTRY.

SUSAN W. JANNEY,

INSTRUCTOR IN PENMANSHIP AND BOTANY.

MARY L. AUSTIN,

INSTRUCTOR IN LATIN.

ELIZABETH PAULIN,

INSTRUCTOR IN FRENCH.

* During his absence in Germany, his duties are performed by HENRY R. RUSSELL.

SWARTHMORE COLLEGE.

ELIZABETH C. MILLER, A.B.,
INSTRUCTOR IN FRENCH AND IN ENGLISH BRANCHES.

ESTHER T. MOORE, A.B.,
INSTRUCTOR IN MATHEMATICS.

JOHN B. BOOTH, A.B.,
INSTRUCTOR IN ENGLISH BRANCHES.

MARY G. PROCTER,
INSTRUCTOR IN GERMAN AND IN ENGLISH BRANCHES.

ELLEN M. GRISCOM,
INSTRUCTOR IN FREE-HAND DRAWING.

KATHARINE L. ROCKWELL,
LIBRARIAN.

Students.

SENIOR CLASS.

CLASSICAL SECTION.

CORSON, NORMAN B.	Norristown, Pa.
MAGILL, EUDORA	Swarthmore, Pa.
NORTON, JESSE R.	Ironton, O.
WILLIAMS, CARROLL R.	New Hope, Pa.
YEATMAN, M. FLORENCE	Fairville, Pa.

ENGINEERING SECTION.

BUNTING, JOSEPH T.	Philadelphia, Pa.
--------------------	-------------------

JUNIOR CLASS.

CLASSICAL SECTION.

BURR, CAROLINE E.	Germantown, Pa.
DAVIS, MAYBELL P.	Providence, R. I.
DAWSON, HOWARD	Plainfield, N. J.
GLEIM, TACY A.	Lebanon, Pa.
HALLOWELL, MARY P.	Horsham, Pa.
HAWKINS, CHARLES A.	Fawn Grove, Pa.
HUNT, REBECCA S.	Philadelphia, Pa.
MARTIN, EDWARD	Philadelphia, Pa.
WILLETS, ISAAC D.	Flushing, L.I.

MODERN CLASSICAL SECTION.

HOLCOMB, WILLIAM P.	Newtown, Pa.
JACKSON, ANNA E.	Kennett Square, Pa.

ENGINEERING SECTION.

HALL, WILLIAM J.	West Chester, Pa.
JOHNSON, LLEWELLYN H.	West Orange, N. J.
ROBERTS, ISRAEL	Fellowship, N. J.
SEAMAN, WILLIAM	Brooklyn, L. I.

CHEMICAL SECTION.

JACKSON, ADALINE B.	Boston, Mass.
PALMER, FRANCIS J.	Brooklyn, L. I.
SHOEMAKER, C. HARRY	Philadelphia, Pa.

SOPHOMORE CLASS.

CLASSICAL SECTION.

DORSEY, FRANCES	Baltimore, Md.
FENDER, WILLIAM P.	Ralston, Pa.
FERRIS, W. LEA	Wilmington, Del.
FITCH, JOSEPH	Flushing, L. I.
HOPPER, LESLEY	Baltimore, Md.
KEMP, MARIE A.	Harrisburg, Pa.
MOORE, MARY L.	Sandy Spring, Md.
PANCOAST, WILLIAM T.	San Antonio, Texas.
PAULIN, AMÉLIE A.	Swarthmore, Pa.
RHOADS, JACOB Z.	Pine Grove, Pa.
WHITE, JOSEPHINE	Yardleyville, Pa.

MODERN CLASSICAL SECTION.

FURNAS, ELIZABETH	Waynesville, O.
HAINES, FRANCENIA	Richmond, Ind.
MILLER, CHARLES R.	North Point, Pa.
WOODNUTT, ABBIE M.	Richmond, Ind.

SCIENTIFIC SECTION.

BAKER, ARTHUR E.	Toledo, O.
COLES, ISAAC R.	Glen Cove, L. I.
LEEDS, CHARLES S.	Richmond, Ind.
LIPPINCOTT, ELISHA E.	Long Branch, N. J.
MCCOMB, S. CRAIG	Columbus, N. J.
PIERCE, HENRY	Pawling, N. Y.

FRESHMAN CLASS.

CLASSICAL SECTION.

BROOMALL, HENRY L.	Media, Pa.
CLARKE, WILLIAM H.	Chicago, Ill.
COCKS, MARY ANN	Cornwall, N. Y.
CONROW, HOWARD F.	Wilmington, Del.
CONSTABLE, ANNE E.	Philadelphia, Pa.
DAWSON, COLMAN	Plainfield, N. J.
DETRICK, A. ELIZA	Baltimore, Md.
DETRICK, WILLIAM H.	Baltimore, Md.
DUNCAN, LYDIA F.	Easton, Md.
HALL, FLORENCE	West Chester, Pa.
HALLOWELL, EDITH	Sandy Spring, Md.
HILLMAN, MYRA T.	Washington, D. C.
HOUGH, EMILY L.	Swarthmore, Pa.
KIRK, FANNY R.	Philadelphia, Pa.
LAING, GEORGE T.	Philadelphia, Pa.
LAWTON, ALBERT R.	Skaneateles, N. Y.
MADDOCK, WILLIAM W.	Chester, Pa.
MAGILL, GERTRUDE B.	Swarthmore, Pa.
MOORE, THOMAS L.	Sandy Spring, Md.
NEEDLES, EMMA S.	Baltimore, Md.
TURTON, JOHN	New York City, N. Y.
WILLETS, FANNIE A.	Roslyn, L. I.
WILLIAMS, AGNES B.	New Hope, Pa.

MODERN CLASSICAL SECTION.

BUNTING, ANNA M.	Darby, Pa.
GOULD, ZOE	Newark, N. J.
HOLGATE, E. JOSEPHINE	Brooklyn, L. I.
MATTHEWS, SARAH H.	Cockeysville, Md.
MCCOMB, MATTIE J.	Columbus, N. J.
WALTON, ISABELLA F.	London Grove, Pa.
WEBSTER, ANNIE F.	Norristown, Pa.
WILLITS, SAMUEL	Maiden Creek, Pa.

SCIENTIFIC SECTION.

ASBURY, HARRY F.	New York City, N. Y.
FIELD, WILLIAM D. C.	Brooklyn, L. I.
HIGGINS, ROBERT B.	Rockville, Md.
KEISER, EDWARD H.	Hokendauqua, Pa.
MARCHER, ROBERT J.	High Bridge, N. Y.
POUND, ROBINSON	Plainfield, N. J.
PRICE, HARRIE B.	Upper Lehigh, Pa.
THORNE, HOWARD E.	Yonkers, N. Y.
WALKER, CHARLES P.	New York City, N. Y.
WOOD, HENRY S.	Bristol, Pa.

SUMMARY.

CLASSICAL DEPARTMENT.

Senior Class	5
Junior Class	9
Sophomore Class	11
Freshman Class	24

MODERN CLASSICAL DEPARTMENT.

Junior Class	2
Sophomore Class	4
Freshman Class	8

SCIENTIFIC DEPARTMENT.

Senior Class	1
Junior Class	7
Sophomore Class	6
Freshman Class	10
Total,	<u>87</u>

CLASSICAL DEPARTMENT.

FACULTY OF INSTRUCTION.

EDWARD H. MAGILL, A. M., *President.*
PROFESSOR PAULIN, *Latin and French.*
PROFESSOR SANFORD, *History and Elocution.*
PROFESSOR APPLETON, *Greek, German and Early English.*
PROFESSOR CUNNINGHAM, *Mathematics.*
PROFESSOR GREEN, *Physics.*
PROFESSOR BARTLEY, *Chemistry.*
PROFESSOR LEIDY, *Zoology, Comparative Anatomy, Comparative Physiology, Mineralogy and Geology.*
PROFESSOR THOMAS, *English Literature.*
SUSAN W. JANNEY, *Instructor in Botany.*
MARY L. AUSTIN, *Instructor in Latin.*
ELIZABETH PAULIN, *Instructor in French.*
MARY G. PROCTER, *Instructor in German.*
ELIZABETH C. MILLER, *Instructor in Composition.*

CONDITIONS OF ADMISSION.

Every applicant for admission must submit to the President satisfactory testimonials of good moral character; and students coming from another college must present certificates of honorable dismissal from the institution left.

Examinations for admission will be held on Third, Fourth, and Fifth-days, the 11th, 12th and 13th of Ninth month, 1877. Candidates must present themselves at the college at two o'clock, P. M., on Third-day, the 11th of Ninth month.

To secure places, applications for admission for the next scholastic year should be made, as early as possible, by letter to the President.

Candidates for admission to the Freshman Class will be examined on the following subjects and text-books, or their equivalents:

Latin.—Harkness's Grammar; Harkness's Reader; Harkness's Composition, first thirty lessons; Cæsar's Gallic War, first three books; and Virgil's *Æneid*, first two books.

French.—Magill and Paulin's First Lessons; Magill's Grammar; Magill's Introductory Reader.

Mathematics.—Arithmetic; Algebra, to Equations of the Second Degree; Davies' Legendre's Geometry, first three books.

English.—English Grammar and Spelling; Modern Geography, Descriptive and Physical; Ancient Geography (Baird's Classical Manual); Physics (Rolfe and Gillet's Natural Philosophy); Barnes's History of the United States; Anderson's History of England; Smith's History of Greece.

Candidates for advanced standing must first be examined for admission to the Freshman Class; then in all the *required* studies already gone over by the class for which they offer themselves, and in as many *elective* studies as they would have pursued if they had entered at the beginning of the course.

Especial attention is called to the importance of a thorough preparation in the studies required for admission. The want of this is a serious source of embarrassment to future progress, and is rarely repaired by subsequent study. The work is arranged for those only who enter classes thoroughly prepared.

Students are not considered as regular members of the College until, after a residence of at least four months, they have been admitted to matriculation on satisfactory evidence of good moral character. Before this they are students on probation.

COURSE OF STUDY.

The course of study in this department has been very carefully arranged with reference to *general culture*; and it is also believed to be the best foundation for a subsequent technical course of education, in any department which may be chosen. Those whose time and means will permit are earnestly advised to add to this course, after graduation, the last two years of one of the departments of our scientific course. It will be observed that a due proportion of scientific studies are introduced as essential parts of the classical course.

The MODERN CLASSICAL COURSE, for completing which the degree of BACHELOR OF LITERATURE is conferred, is the same as the following, except that a fuller course in Modern Languages, and one in Early English, may be substituted for the Ancient Languages.

The studies of each class in any course are among the electives for students *of that class* in any other course, if they are prepared to pursue them, and pass the necessary preliminary examination.

FRESHMAN CLASS.

	<i>No of Ex. per week.</i>
Latin. —Harkness's Grammar and Latin Prose Composition; Virgil's <i>Aeneid</i> , Books III., IV.; Livy, Book XXI - - -	4
French. —Magill's Grammar; <i>Siège de la Rochelle</i> - - -	2
German. —Otto's Conversation Grammar; <i>Der Neffe als Onkel</i> -	3
Mathematics. —Olney's Algebra, through Quadratic Equations; Davies' Legendre's Geometry, Books IV.—VI. - - -	3
History. —Liddell's History of Rome; Schmitz's Manual of Ancient History; Student's Gibbon. - - -	3
English Literature. —Lectures on English and General Literature, (once a week first half year,) - - -	$\frac{1}{2}$
Natural History. —Zoology; Comparative Anatomy; Comparative Physiology (Lectures) - - -	1
Elocution. —Murdock and Russell's Vocal Culture; Coates's Speaker; Selections from English Classical Authors; Declamations - - -	1
Rhetoric and Composition. —Hart's Rhetoric; Essays - -	1

ELECTIVE STUDIES.

Greek. —Goodwin's Grammar; Xenophon's <i>Anabasis</i> - - -	4
Early English. —Required instead of Latin in the Modern Classical Course - - -	2

SOPHOMORE CLASS.

	<i>No. of Ex. per week.</i>
Latin. —Harkness's Grammar and Latin Prose Composition; Cicero's Orations; Livy, Book XXII - - -	4
French. —Magill's Grammar, Fenelon's <i>Telemaque</i> ; Dumas' Napoleon - - - - -	2
German. —Otto's Conversation Grammar; Wilhelmi's <i>Einer muss heirathen</i> ; Lessing's <i>Minna von Barnhelm</i> - -	3
Mathematics. —Chauvenet's Plane Trigonometry; Davies' Le- gendre's Geometry, Books VII.—IX. - - -	2
English Literature. —Lectures on English and General Litera- ture - - - - -	3
Physics. —Hill's Stewart's Physics; Lectures (until 4th month, 1st.) - - - - -	2
Botany. —(After 4th month, 1st.) - - - - -	2
Natural History. —Zoology; Comparative Anatomy; Compar- ative Physiology (Lectures:) Mineralogy, Geology and Botany (once a week last half year,) - - -	1½
Elocution. —Selections from Classical English Authors; Decla- mations, Original and Selected - - - - -	1
Rhetoric and Composition. —Quackenbos's <i>Rhetoric</i> ; Essays -	1

ELECTIVE STUDIES.

Greek. —Goodwin's Grammar; Xenophon's <i>Anabasis</i> , Homer's <i>Iliad</i> , Greek Prose Composition; Goodwin's Greek Moods and Tenses - - - - -	4
History. —Student's History of France; History of England (Lectures) - - - - -	2
Early English. —Required instead of Latin in the Modern Classical Course - - - - -	2

JUNIOR CLASS.

	No. of Ex. per week.
Latin. —Horace's Odes; Cicero's De Claris Oratoribus, De Senectute, and De Amicitia - - - - -	4
* English Literature. —Lectures on English and General Literature (once a week first half year) - - - - -	$\frac{1}{2}$
Political Economy. —Principles of Political Economy, Mill; Carey;—Lectures - - - - -	2
Chemistry. —Inorganic Chemistry—Lectures - - - - -	2
Natural History. —Lectures on Mineralogy, Geology and Botany (once a week last half year) - - - - -	$\frac{1}{2}$
Elocution. —Declamations, Original and Selected - - - - -	1
Rhetoric and Composition. —Blair's Rhetoric; Abbott's Lessons in English; Essays - - - - -	1

ELECTIVE STUDIES.

(Two to be Chosen.)

French. —Noël and Chapsal's Grammaire Abrégée; Fleury's Histoire de France; Magill's Prose and Poetry - - - - -	4
German. —Schiller's Maria Stuart and William Tell; Eichen-dorff's Aus dem Leben eines Taugenichts; Exercises in writing German - - - - -	3
Greek. —Selections from Greek Historians; Plato's Apology and Crito - - - - -	4
Mathematics. —Chauvenet's Spherical Trigonometry; Olney's Higher Algebra - - - - -	4
History. —History of the United States (Lectures); History of Modern Europe (Lectures) - - - - -	2

*Required if not taken in the Freshman year.

SENIOR CLASS.

	No. of Ex. per week.
Latin. —Horace's Satires and Epistles; Tacitus, Agricola and Germania; Selections from Juvenal - - -	4
History. —Guizot's History of Civilization; De Tocqueville's Democracy in America - - -	2
Natural History. —Lectures on Mineralogy, Geology and Botany (once a week last half-year) - - -	$\frac{1}{2}$
Elocution. —Original Orations - - -	1
Rhetoric and Composition. —Campbell's Philosophy of Rhetoric; Essays - - -	1

ELECTIVE STUDIES.

(Three to be chosen.)

French. —Duruy's Histoire Grecque; Duruy's Histoire Romaine; Voltaire's Louis XIV; Madame de Staël's L'Allemagne; Compositions - - -	4
German. —Schiller's Geschichte des Abfalls der vereinigten Niederlande; Lessing's Emilia Galotti; Goethe's Egmont and Faust; Exercises in writing German; History of German Literature (Lectures) - - -	4
Greek. —Sophocles' Antigone; Euripides' Alcestis; Demosthenes' De Corona; History of Greek Literature (Lectures) - - -	4
Mathematics. —Olney's Analytical Geometry; Olney's Differential and Integral Calculus - - -	4
Chemistry. —Experimental work in the Laboratory - - -	4
Astronomy. —Loomis's Astronomy; Chauvenet's Spherical and Practical Astronomy - - -	4

SCIENTIFIC DEPARTMENT.

FACULTY OF INSTRUCTION.

EDWARD H. MAGILL, A. M., *President.*
PROFESSOR PAULIN, *Latin and French.*
PROFESSOR SANFORD, *History and Elocution.*
PROFESSOR BEARDSLEY, *Mechanics and Engineering.*
PROFESSOR APPLETON, *Greek, German and Early English.*
PROFESSOR CUNNINGHAM, *Mathematics.*
PROFESSOR GREEN, *Physics.*
PROFESSOR BARTLEY, *Chemistry.*
PROFESSOR LEIDY, *Zoology, Comparative Anatomy, Comparative Physiology, Mineralogy and Geology.*
PROFESSOR THOMAS, *English Literature.*
SUSAN W. JANNEY, *Instructor in Botany.*
ELIZABETH PAULIN, *Instructor in French.*
MARY G. PROCTER, *Instructor in German.*
ELIZABETH C. MILLER, *Instructor in Composition.*

CONDITIONS OF ADMISSION.

The conditions of admission to the Scientific Department are the same as those for admission to the Classical Department, except that Latin is not required, although a knowledge of Latin accidence and a sufficient knowledge of the construction to read easy Latin Prose is earnestly recommended. It is also very desirable that all applicants for admission to this department should have had at least one year's instruction in Free-hand Linear Drawing.

COURSES OF STUDY.

The Scientific Department comprises two distinct courses, leading to two degrees; the Chemical Course and the Engineering Course, in both of which care has been taken to secure *general culture*, and not to make students of this department merely chemists or engineers.

CHEMICAL COURSE.

This comprises four years, and is intended to prepare students to fill positions as teachers or analytical chemists, and to provide such a general knowledge of chemical science, and its applications to the arts, for those who wish to take up the special problems of technical chemistry, as will afford a good basis for their subsequent investigations.

The department is also open to those students, of maturer age, whose time is limited, and who wish to prepare themselves for positions requiring a knowledge of chemistry.

A partial course in medical chemistry has been arranged as an elective, for the benefit of those who intend to study medicine after graduation.

The Laboratory has been fitted up in the most approved manner to accommodate twenty-four students at a time; each desk being provided with running water, gas, and sink. The Laboratory is heated by steam, and furnished with hoods, sand, steam and air baths, furnaces, balances, a good microscope, spectroscope, &c., suitable for carrying on all ordinary Laboratory work.

Students will be charged only for chemicals and apparatus actually used up. No charge is made for gas.

ENGINEERING COURSE.

This course, which, for the first two years, is identical with the chemical course, is intended to furnish a good foundation in Mathematics, Physics, Mechanics, and Drawing, for the student of Civil or Mechanical Engineering. Its graduates will be prepared to become immediately useful in the office or field, in subordinate positions, and after a fair amount of practice to design and take charge of important works. The course is also open to those students whose time is limited, and who do not intend to graduate, by whom partial courses in Surveying and Draughting can be pursued with great practical advantage.

The College is well provided with the necessary field instruments, and each student is made familiar with their uses and management. The Draughting room is well lighted from above, and is provided with the Worcester Adjustable Drawing Tables, models, drawings, &c.

Connected with the department is a machine shop, in which a certain amount of practice is required of each student, who thus becomes acquainted with the uses of the various tools, and learns to avoid errors in designing, by being required to execute, from his own drawings, parts of structures or of machinery. The shop is well provided with excellent tools, including a screw-cutting engine lathe, iron planer, &c. A vertical engine and boiler of four horse power, built for the department, is used both for running the machinery, and for class illustration and instruction.

FRESHMAN CLASS.

	<i>No. of Ex. per Week.</i>
Chemistry. —Inorganic Chemistry; Lectures	4
Graphics. —Construction of Plane Problems in Geometry; use of Drafting Instruments, India Ink, and Colors	5
Mathematics. —Olney's Algebra, through Quadratic Equations; Davies' Legendre's Geometry, Books IV.—VI.; Chauvenet's Plane Trigonometry	4
French. —Magill's Grammar; Siège de la Rochelle	2
German. —Otto's Conversation Grammar; Der Neffe als Onkel	3
History. —Liddell's History of Rome; Schmitz's Manual of Ancient History; Student's Gibbon.	3
English Literature. —Lectures on English and General Literature, (once a week first half year)	$\frac{1}{2}$
Natural History. —Zoology; Comparative Anatomy; Comparative Physiology (Lectures)	1
Elocution. —Murdock and Russell's Vocal Culture; Coates's Speaker; Selections from English and Classical Authors; Declamations	1
Rhetoric and Composition. —Hart's Rhetoric; Essays	1

SOPHOMORE CLASS.

	<i>No. of Ex. per week.</i>
Chemistry. —Laboratory practice; Qualitative Analysis—Thorpe; Blow-pipe Analysis and Determinative Mineralogy—Elderhorst (revised)	6
Descriptive Geometry. —Projection Drawing; Orthographic projections of the Point, Right Line, and Plane; with Drawing, Tinting, and Shading	5
Physics. —Hill's Stewart's Physics, Lectures (until 4th mo. 1st.)	2
Botany. —(After 4th mo. 1st.)	2
Mathematics. —Davies' Legendre's Geometry, Books VII. IX.: Olney's Analytical Geometry; Olney's Differential and Integral Calculus	4
French. —Magill's Grammar; Fénelon's <i>Télémaque</i> ; Dumas' Napoleon	2
Surveying. —Gillespie and Lectures	2
German. —Otto's Conversation Grammar; Wilhelmi's <i>Einer muss heirathen</i>	3
English Literature. —Lectures on English and General Literature	3
Natural History. —Zoology; Comparative Anatomy; Comparative Physiology (Lectures): Mineralogy, Geology and Botany, (once a week last half year)	1½
Elocution. —Selections from Classical English Authors; Declamations, Original and Selected	1
Rhetoric and Composition. —Quaekenbos's Rhetoric; Essays	1

JUNIOR CLASS.

I. *Chemical Course.*No. of
Ex. per week.

Chemistry.— <i>Practical</i> —Quantitative Analysis; Mineral Analysis; Spectrum Analysis; Blow-pipe Analysis (Lectures)	18
Chemistry.— <i>Theoretical</i> —Cooke's Chemical Philosophy	3
Physics.—Acoustics; Optics; Heat; Electricity	2
*Mathematics.—Chauvenet's Spherical Trigonometry; Olney's Higher Algebra	4
Political Economy.—Principles of Political Economy; Mill; Carey;—Lectures	1
†English Literature.—Lectures on English and General Literature (once a week first half year)	$\frac{1}{2}$
Natural History.—Lectures on Mineralogy, Geology and Botany (once a week last half year)	$\frac{1}{2}$
Essays upon Chemical Subjects	

II. *Engineering Course.*

Engineering.— <i>Geodesy</i> —Theory, Adjustment, and use of Engineering Field Instruments; Farm Surveying; Leveling; Topographical, Triangular, and Hydrographical Surveying	2
Mechanics.—Analytical Mechanics of Solids and Fluids	2
Physics.—Acoustics, Optics, Heat, Electricity	2
Descriptive Geometry.—Warped Surfaces and Intersections; Shades, Shadows, and Perspective; with Drawing and Applications	4
Graphics.—Topographical, Structure, and Machine drawing; Principles of Mechanism; Visits to and Sketches of Special Machinery and Structures	8
*Mathematics.—Chauvenet's Spherical Trigonometry; Olney's Higher Algebra	4
Political Economy.—Principles of Political Economy; Mill; Carey;—Lectures	1
English Literature.—Lectures on English and General Literature (once a week first half year)	$\frac{1}{2}$
Natural History.—Lectures on Mineralogy, Geology and Botany (once a week last half year)	$\frac{1}{2}$
Practical Exercises in Engineering Field Work; Essays upon, and Sketches of Structures and Machines.	

*French or German may be substituted.

†Required if not taken in the Freshman year.

SENIOR CLASS.

I. *Chemical Course.*

	<i>No of Ex. per week.</i>
Chemistry. — <i>Practical</i> —Quantitative Analysis continued; Volumetric Analysis; Organic Analysis; Special Determinations; Assaying* Chemical Preparations	28
Chemistry. — <i>Theoretical</i> —Lectures on Organic and Technical Chemistry	2
Natural History. —Lectures on Mineralogy, Geology and Botany (once a week last half year)	$\frac{1}{2}$
Essays upon original work and general chemical subjects.	

II. *Engineering Course.*

Engineering. — <i>Road Engineering</i> —Theory and Practice; <i>Constructions</i> —Stability of Structures, Building Materials, Foundations and Superstructures, Bridge Engineering	4
Mechanics. — <i>Physical Mechanics</i> —Friction and other resistances, Stress and Strength of Materials, Practical Hydraulics, Practical Pneumatics; <i>Machines</i> —General Theory of Machines, Theory of Prime Movers	4
Graphics. —Plans, Profiles and Sections of Road Surveys; Machine and Structural Drawing	12
Natural History. —Lectures on Mineralogy, Geology and Botany (once a week last half year)	$\frac{1}{2}$
Practical Exercises in Field Work.—Essays and Reports upon Machines, Structures and Processes.	

DEGREES.

THE Degree of A. B. is conferred upon students who complete the Classical Course, and pass the examinations in the same.

The Degree of B. L. is conferred upon students who complete the Modern Classical Course (see P. 15), and pass the examinations in the same.

The Degree of B. S. is conferred upon students who complete either of the Scientific Courses, and pass the examinations in the same.

The Degree of A. M. will be given, three years after graduation, to all Bachelors of Arts who shall have engaged, during that period, in professional or literary studies, and who shall present an acceptable thesis.

The Degree of M. L. will be given, three years after graduation, to all Bachelors of Literature who shall have engaged, during that period, in professional or literary studies, and who shall present an acceptable thesis.

The Degree of M. S. will be given, three years after graduation, to all Bachelors of Science of the Chemical Course who shall have engaged, during that period, in professional or scientific studies, and who shall present an acceptable thesis upon subjects pertaining to Chemistry or Physics.

The Degree of C. E. will be given, three years after graduation, to all Bachelors of Science of the Engineering Course who shall have engaged, during that period, in professional or scientific studies, and who shall present an acceptable thesis upon subjects pertaining to Civil Engineering.

Applications for the Second Degree in any course must be made, and the thesis presented at least three months before commencement.

The Second Degree will also be conferred upon those Bachelors of Arts, of Literature, or of Science who, as Resident Graduates, shall continue their studies under the advice and direction of the Faculty for one year after graduation, and pass the examinations in the same.

GENERAL INFORMATION.

SITUATION.

SWARTHMORE COLLEGE is situated on the West Chester and Philadelphia Railroad, ten miles from Philadelphia. Cars leave the depot at Thirty-first and Chestnut Streets, West Philadelphia, ten times daily.

POST-OFFICE ADDRESS AND CITY OFFICE.

The Post-Office address is SWARTHMORE, DELAWARE Co., PA. Express packages may be sent to this address, or, *if small*, may be left in care of Friends' Book Association, 706 Arch Street, Philadelphia.

LIBRARIES.

The Libraries of the College now contain over two thousand volumes. Each department of study is supplied with a good and steadily increasing library of reference. The General Library is accessible to all the students, according to the rules established by the Faculty, and is open once a week during term-time for the delivery of reading books, and daily for the delivery of books of reference needed by the students. It is open at all times to teachers and members of the household.

Friends' Historical Library of Swarthmore, founded by Anson Lapham, which contains a small but increasing collection of Friends' books, photographs of representative Friends, and manuscripts relating to the Society and its history, is at all times accessible to teachers, students, and members of the household.

PHYSICAL CULTURE.

Regular daily exercise in the open air is required of all; for which the extensive grounds connected with the College afford

ample facilities. The gymnasium, which is well supplied with suitable apparatus, is open every day for the voluntary exercise of the students.

RELIGIOUS EXERCISES.

While care is taken to inculcate the doctrine that religion is a matter of practical daily life, and is not confined to the observance of set forms or the promulgation of religious tenets, the regular assembling for religious purposes is carefully observed. On First-day morning a religious meeting is held, attended by students, teachers, and members of the household, and occasionally by visiting Friends. The meeting is preceded by First-day school exercises, consisting of the recitation of passages of Scripture prepared by members of the different classes, and the reading of a portion of Scripture selected for the exercises of the following week. The daily exercises are opened by a general meeting for reading selected portions of Scripture, or other suitable books, and imparting such moral lessons as circumstances seem to require, followed by a period of silence before entering upon the duties of the day.

VISITING AND LEAVE OF ABSENCE.

Parents and guardians are especially requested not to visit their children at the College on the FIRST DAY OF THE WEEK nor to ask permission for them to leave the College more than once a month.

Leave of absence cannot be granted without a written request of parents or guardians, while requests should, in all cases, be accompanied by reasons satisfactory to the Faculty.

Students may be visited, on week-days, by parents or guardians, or by near relatives or others approved by parents or guardians; but general visiting is discouraged. *Students must not be interrupted in their studies or recitations at any time.*

All persons who are interested in education, and who are desirous of examining the methods of instruction and discipline at Swarthmore, will be welcome at any time, and should, when convenient, communicate with the President upon the subject in advance.

COMMENCEMENTS AND VACATIONS.

The College year begins on the second Third-day of Ninth month, and closes with Commencement day, which occurs on the third Third-day of Sixth month.

Students are not admitted, for a period terminating earlier than the current college year, but, when vacancies exist, may enter at any time during the year, if prepared to join existing classes.

Besides the summer vacation there will be a vacation of one week at Christmas.

OUTFIT.

Although no form of dress is prescribed for either sex, such simple attire as is appropriate to school-life is earnestly recommended. Ear-rings, bracelets, necklaces, and elaborately trimmed dresses are prohibited.

Students should be supplied with six towels, six napkins, two clothes-bags, a wrapper, slippers, umbrella, and the requisite toilet articles. Girls must also be provided with gymnasium dresses. Every article must be marked with the full name of the owner.

USE OF TOBACCO.

The use of Tobacco being strictly prohibited, those addicted to its use, unless prepared to renounce it entirely, should not apply for admission.

EXPENSES.

FOR RESIDENT STUDENTS the price of board and tuition is \$350 per year, of which \$200 is payable in advance, and \$150 on the first of First month. A proportionate deduction is made to those students who enter after the opening of the college year.

FOR DAY SCHOLARS the price is \$200 per year, of which one-half is payable in advance, and the remainder on the first of First month. The day scholars dine with the resident students.

Books are furnished for the use of students without expense, but they buy their own stationery and drawing implements. Students in Practical Chemistry pay for the chemicals which they use in the laboratory. No additional charge is made in case of sickness unless extra expense is incurred.

THERE ARE NO EXTRA CHARGES.

The price being made as low as experience shows to be compatible with prudence, while many of our expenses are annual in their character, and teachers and other officers, at fixed yearly salaries, must be engaged in proportion to the number of students entered, we cannot, in case of withdrawals, return the full proportionate

amount paid without loss. When the connection of a student with the College shall terminate before the end of the period for which payment has been made, by sickness, or any other cause, approved by the Faculty, the student may have the privilege of sending an approved substitute, for the unexpired term, or may apply, in writing, to the Treasurer, and a return will be made at the rate of \$25 per month, from the date of said application or written notice that the place is vacated.

PAYMENTS.

Payments are to be made by check or draft to the order of ROBERT BIDDLE, Treasurer, No. 511 Commerce Street, Philadelphia.

PREPARATORY SCHOOL.

GENERAL STATEMENT.

This school is intended to prepare students for the Classical and Scientific Departments of the College, or to furnish a good practical education to those desiring a shorter course. Most of the studies pursued are required of all, but few being optional, as experience has clearly shown that young students make much more satisfactory progress when pursuing a regularly required course, even for a single year, without any idea of graduation, than when they select all their studies for themselves. The course of study in this school, while it is an essential preparation for the two departments of the College, is also believed to be the best training for those whose means and circumstances require that they should finish their studies in the Preparatory School, or before reaching the end of the College course. Attention is invited to the course of study as here arranged, and the various Preparatory Schools among Friends throughout the country are requested to conform to it, as far as practicable, and prepare students to enter our Freshman Class, either in the classical or the scientific course. To secure this end, a thorough mastery of the elementary principles of the *subject* taught, and not a mere knowledge of the text-books required, is most earnestly recommended. Subsequent study can rarely, if ever, atone for deficient preparation.

ORGANIZATION.

This School is at present divided into three classes, A, B, and C. Classes A and B are divided into classical and scientific sections, preparing for these respective departments in the college.

GOVERNMENT AND INSTRUCTION.

The students of the Preparatory School are under the same general management as the College classes. With a few exceptions, the same general rules are applicable to both, and the students of

this school receive instruction from teachers employed especially for this purpose, and also from professors and instructors of the College.

EXPENSES, ETC.

The expenses of students of this school are the same as those of students of the College classes, and the various remarks under the head of **GENERAL INFORMATION*** in the College Catalogue are applicable alike to the College and the Preparatory School.


CONDITIONS OF ADMISSION TO THE PREPARATORY SCHOOL.

Applicants for admission must be at least thirteen years old, and should submit to the President, from their last teacher, satisfactory testimonials of good moral character.

Examinations for admission will be held on Third, Fourth, and Fifth-days, the 11th, 12th, and 13th of Ninth month, 1877. Candidates must present themselves at two o'clock, P. M. on Third-day, the 11th of Ninth month. To secure places, applications for admission for the next scholastic year should be made, as early as possible, by letter to the President.

Candidates for admission to class C will be examined as follows:

In Elements of English Grammar, embracing a knowledge of the Parts of Speech, and their uses; Reading and Spelling; Geography of the United States; Arithmetic, through Decimal Fractions.

 None who are not sufficiently advanced in their studies to undergo this examination should present themselves for admission.

Candidates for the advanced classes of the Preparatory School will be further examined in the studies of the classes below that which they propose to enter.

*See pages 26-29.

COURSES OF STUDY.

The only elective studies in the Preparatory School are as follows :
 Natural History (lectures), elective in all the classes ;
 Latin and French, elective in Class C.

CLASS C.

	<i>No. of Ex. per Week.</i>
Arithmetic. —Brooks's Normal Written and Brooks's Normal Mental Arithmetic, through Percentage	4
Geography. —Guyot's Grammar School Geography ; Map Draw- ing	3
Grammar. —Swinton's Language Lessons	3
History. —United States,—Lectures	2
Reading and Speaking. —Phonetic Spelling, Enunciation of Words ; Monroe's Fifth Reader ; Declamations	3
Spelling. —Leach's Speller, and Dictations	2
Composition	1
Writing	2
Free-hand Drawing	2

Elective Studies.

Latin. —Harkness's Introductory Latin Book	2
French. —Magill and Paulin's First Lessons in French	2

CLASSICAL DEPARTMENT OF THE PREPARATORY SCHOOL.

CLASS B.

	<i>No. of Ex. per Week.</i>
Latin. —Harkness's Grammar and Reader; Cæsar begun	4
French. —Magill and Paulin's First Lessons in French; Magill's Introductory French Reader	3
Arithmetic. —Brooks's Normal Written and Brooks's Normal Mental Arithmetic, completed	3
Geography. —Warren's Physical Geography	2
History. —Barnes's History of the United States; Anderson's History of England	3
Reading and Speaking. —Phonetic Spelling; Enunciation of Words; Hillard's Fifth Reader; Declamations	2
Spelling. —Leach's Speller and Dictations	2
Composition.	1
Writing	2
Free-hand Drawing	2

CLASS A.

Latin. —Harkness's Grammar; Harkness's Latin Prose Compo- sition, first thirty lessons; Cæsar's Gallic War, through Book III.; Virgil's Æneid, first two books	4
French. —Magill's French Grammar; Magill's Introductory French Reader	3
Mathematics. —Brooks's Algebra to Quadratic Equations; Davies' Legendre's Geometry, Books I.—III.	3
Physics. —Elementary Physics and Chemistry—Lectures	1
Uranography. —(Twice a week first half-year)	1
Physiology. —(Twice a week last half-year)	1
History and Geography. —Smith's History of Greece; Baird's Classical Manual: Review of the History of the United States and England	3
Reading and Speaking. —Hillard's Sixth Reader; Murdock and Russell's Vocal Culture; Declamation	2
Spelling. —General Exercises upon Lists of Difficult Words; Dictations	1
Composition.	1
Writing	2
Free-hand Drawing	2

SCIENTIFIC DEPARTMENT OF THE PREPARATORY SCHOOL.

CLASS B.

	<i>No. of Ex. per Week.</i>
Arithmetic. —Brooks's Normal Written and Brooks's Normal Mental Arithmetic, completed	4
*English Grammar. —Brown's English Grammar	4
French. —Magill and Paulin's First Lessons in French ; Magill's Introductory French Reader	3
Geography. —Warren's Physical Geography	2
History. —Barnes's History of the United States ; Anderson's History of England	3
Reading and Speaking. —Phonetic Spelling ; Enunciation of Words ; Hillard's Fifth Reader ; Declamations	2
Spelling. —Leach's Speller, and Dictations	2
Composition	1
Writing	2
Free-hand Drawing	2

CLASS A.

Mathematics. —Brooks's Algebra, to Quadratic Equations ; Davies' Legendre's Geometry, Book I-IV.	4
Physics. —Elementary Physics and Chemistry ; Lectures	1
*English Grammar. —Analysis and Parsing, Merchant of Venice	4
French. —Magill's French Grammar ; Magill's Introductory French Reader	3
Uranography. —(Twice a week first half-year)	1
Physiology. —(Twice a week last half-year)	1
History and Geography. —Smith's History of Greece ; Baird's Classical Manual ; Review of the History of the United States and England	3
Reading and Speaking. —Hillard's Sixth Reader ; Murdock and Russell's Vocal Culture ; Declamations	2
Spelling. —General Exercises ; Dictations	2
Composition	1
Writing	2
Free-hand Drawing	2

*Latin may be substituted for English Grammar in this course, at the request of parents or guardians.

List of Students of the Preparatory School.

CLASS A.

CLASSICAL SECTION.

BURR, WALTER L.	Germantown, Pa.
CANBY, WILLIAM, JR.	Baltimore, Md.
CONROW, HANNAH, A.	Cinnaminson, N. J.
CLAYTON, SAMUEL L.	Chester, Pa.
DALLETT, ELIZABETH H.	West Chester, Pa.
DALLETT, E. JAMES	West Chester, Pa.
DARLINGTON, FRANCES	Doylestown, Pa.
DELL, JOSEPHINE	Woodbury, N. J.
DOWDALL, HANNAH C.	Avondale, Pa.
ELLIOTT, MARY J.	Norristown, Pa.
FRENCH, MARGARET B.	Haddonfield, N. J.
FRIDENBERG, EUGENE L.	Jacksonville, Florida.
GRIFFEN, ALICE L.	New York City, N. Y.
HANCOCK, EDWARD B.	Philadelphia, Pa.
HASLAM, KATIE	Penningtonville, Pa.
HOFFMAN, AGNES	West Philadelphia, Pa.
*HOMER, BENJAMIN C.	Germantown, Pa.
KESTER, ROSELDA	Angora, Pa.
KIRK, EMMA	Bryn Mawr, Pa.
LIPPINCOTT, GEORGE	Philadelphia, Pa.
LIPPINCOTT, CAROLINE	Philadelphia, Pa.
MARSHALL, ELIZABETH	Milwaukee, Wis.
MENDENHALL, ANNA	Hamorton, Pa.
MUSSER, WILLIAM W.	Lewisburg, Pa.
PARRY, TACIE	Cinnaminson, N. J.
PAULIN, EUGÈNE	Swarthmore, Pa.
REECE, LYDIA D.	Media, Pa.

*Deceased.

SCOTT, TOWNSEND	Baltimore, Md.
SHOEMAKER, ALVIN T.	Baltimore, Md.
STARR, WILLIAM G.	Brooklyn, L. I.
TOWNSEND, WILLIAM	Cornwall, N. Y.
TRAVILLA, ELIZABETH N.	West Chester, Pa.
TRAVILLA, MARY	West Chester, Pa.
WILLIAMS, SUSAN T.	Waterford, Va.

CLASS A.

SCIENTIFIC SECTION.

ALBERTSON, MARY	Norristown, Pa.
BAKER, RICHARD D.	Philadelphia, Pa.
BOND, ALFRED H.	Philadelphia, Pa.
COCKS, WILLIAM W.	Old Westbury, L. I.
COX, CHARLES B.	Port Washington, L. I.
DEACON, ALLEN F.	Mt. Holly, N. J.
DORON, CHARLES B.	Germantown, Pa.
EVES, NARCISSA MASTERS	Millville, N. J.
FENNIMORE, HENRY D.	Lumberton, N. J.
FIELD, CHARLES C.	Brooklyn, L. I.
FRENCH, SAMUEL, H.	Philadelphia, Pa.
HICKS, AMELIA	Old Westbury, L. I.
HOPPER, GEORGE L.	Baltimore, Md.
LIPPINCOTT, LAURA M.	Harrisonville, N. J.
MAFFET, ADELAIDE W.	Wilkesbarre, Pa.
MARSHALL, WILLIAM J.	London Grove, Pa.
McLAURIN, JOHN L.	Englewood, N. J.
MUSSER, F. REBER	Muncy, Pa.
SATTERFIELD, CLARA	Greensboro', Md.
SEAMAN, HARRY B.	Brooklyn, L. I.
SMITH, J. CHALMERS	Philadelphia, Pa.
STELWAGON, FRANK M.	Philadelphia, Pa.
SUNDERLAND, THOMAS T.	Warren, Pa.
TAYLOR, ISAAC P.	Parkersville, Pa.
THOMAS, I. BYRON	Cheyney Station, Pa.
WILSON, LAURA H.	Conshohocken, Pa.
WOODNUTT, WILLIAM P.	Richmond, Ind.

CLASS B.

CLASSICAL SECTION.

BALLINGER, CAROLINE	Accotunk, Va.
BRINTON, GEORGE H.	Street Road, Pa.
BROWN, CHARLES L.	New York City, Pa.
BUTLER, WILLIAM	West Chester, Pa.
COOPER, BERTHA	Woodbury, N. J.
DAVIDSON, A. BRADY	Fort Scott, Kansas.
DETRICK, JOHN	Baltimore, Md.
EARL, WILLIAM H.	Philadelphia, Pa.
ECCLES, FRANK M.	Baltimore, Md.
EMERSON, WILLIAM S.	Camden, Del.
EVANS, REBECCA T.	Cinnaminson, N. J.
HASLAM, ELIZABETH	West Chester, Pa.
KATER, SAMUEL	Media, Pa.
KEENER, CHARLES C.	Naples, Ill.
KNIGHT, JONATHAN, JR.	Feasterville, Pa.
LIPPINCOTT, SAMUEL W.	Germantown, Pa.
MCMILLAN, WILLET E.	Washington, D. C.
PATTERSON, HENRY L.	Philadelphia, Pa.
PAUL, DAVID S.	Wallingford, Pa.
READ, ALFRED H.	Norristown, Pa.
ROSSITER, HORACE L.	Spring House, Pa.
SEAMAN, ANNA	Jericho, L. I.
SEYBURN, EDWARD I.	Pottersville, La.
SPEAKMAN, FRANCENIA S.	Wallace, Pa.
VERREE, JAMES E.	Verreeville, Pa.
WEST, R. ANNA.	King of Prussia, Pa.
WOLFE, FANNY K.	New York City, N. Y.

CLASS B.

SCIENTIFIC SECTION.

BORDEN, FRANK P.	Mt. Holly, N. J.
ELDER, GEORGE R.	Johnstown, Pa.
FOWLER, CHESTER B.	Brooklyn, L. I.
GOULD, JAMES G.	Philadelphia, Pa.
HALL, JOHN	Philadelphia, Pa.

HAZELTON, WILLIAM, JR.	. . .	Philadelphia, Pa.
HUTCHINSON, JAMES	. . .	Philadelphia, Pa.
LUKENS, NATHAN	. . .	Upper Darby, Pa.
MARSHALL, SAMUEL H.	. . .	Milwaukee, Wis.
NICHOLAS, JAMES F.	. . .	Roxborough, Pa.
PACKER, WALTER H.	. . .	Philadelphia, Pa.
PARVIN, WALTER M.	. . .	Philadelphia, Pa.
PENNOCK, JOHN S.	. . .	Coatesville, Pa.
RUSHMORE, CHARLES F.	. . .	Cooksburg, N. Y.
RUSHMORE, EDWARD C.	. . .	Cooksburg, N. Y.
SHARPLESS, JOHN E.	. . .	Chester, Pa.
SHARPLESS, TOWNSEND.	. . .	Philadelphia, Pa.
WARRICK, WOODWARD, JR.	. . .	Glassboro', N. J.
WESSELS, LEWIS C.	. . .	Philadelphia, Pa.
YERKES, EVALEENA	. . .	Philadelphia, Pa.
YOUNG, ALEXANDER D.	. . .	Philadelphia, Pa.

CLASS C.

ALLEN, JOHN M.	. . .	Germantown, Pa.
BANER, W. LLEWELLYN	. . .	New York City.
BISHOP, GEORGE A.	. . .	Toledo, O.
BURNLEY, MICHAEL	. . .	Garrettsford, Pa.
CONROW, A. ALIDA	. . .	Philadelphia, Pa.
DOWDALL, WILLIAM F.	. . .	Avondale, Pa.
ELLIS, FRANCIS S.	. . .	Crosswicks, N. J.
FOWLER, GEORGE R.	. . .	Cienfuegos, Cuba.
GOULD, GEORGE E.	. . .	Philadelphia, Pa.
GOULD, JOSHUA M.	. . .	Philadelphia, Pa.
HENDERSON, R. MASON	. . .	Baltimore, Md.
HUNGERFORD, CHARLES H. G.	. . .	Baltimore, Md.
JACKSON, ALICE W.	. . .	Horsham, Pa.
KNIGHT, J. LINCOLN	. . .	Holland, Pa.
LEWIS, J. HOWARD	. . .	Oakdale, Pa.
MARSHALL, CHARLES I.	. . .	Milwaukee, Wis.
MOORE, JOSEPH T.	. . .	Sandy Spring, Md.
(de)NORMANDIE, WILLIAM C.	. . .	Wilmington, Del.
PARVIN, WILLIAM P.	. . .	Philadelphia, Pa.
PENNOCK, CHARLES W.	. . .	Coatesville, Pa.

PYLE, CARLETON J.	Mortonville, Pa.
REEVES, THOMAS W.	Clarksboro', N. J.
RUNYON, ENOS W.	Plainfield, N. J.
SCHEIB, WILLIAM F.	Tiffin, O.
SEAMAN, FREDERICK A.	Madison, N. J.
SMITH, PHILEMON J.	Damascus, Md.
STARR, EDWIN M.	Richmond, Ind.
THORNE, EDWARD C.	New York City, N. Y.
WARNER, ANNA H.	Penn's Park, Pa.
WILSON, DAISY	Dover, Del.
YARROW, JOHN	Philadelphia, Pa.

SUMMARY.

Class A,	61
Class B,	48
Class C,	31
Total in Preparatory School,	<u>140</u>

GENERAL SUMMARY

OF THE

COLLEGE AND PREPARATORY SCHOOL.

Senior Class,	6
Junior Class,	18
Sophomore Class,	21
Freshman Class,	42
Preparatory Students,	140
Total,	<hr/> 227

SUMMARY BY STATES.

Pennsylvania,	117
New York,	31
New Jersey,	26
Maryland,	22
Delaware,	5
Indiana,	5
Ohio,	5
Wisconsin,	3
District of Columbia,	2
Illinois,	2
Virginia,	2
Florida,	1
Kansas,	1
Louisiana,	1
Massachusetts,	1
Rhode Island,	1
Texas,	1
Cuba,	1
Total,	<hr/> 227